## Subject Index to Volume 10

Algebraic analysis of constraints	10 (1988) 247	Kinematic analysis	10 (1988) 261
Algorithms	10 (1988) 95		
ANSI standard fit	10 (1988) 47	Large-scale systems control	10 (1988) 69
Artificial intelligence	10 (1988) 69	Link	10 (1988) 261
		Linkage	10 (1988) 261
B-splines	10 (1988) 113		
BASIC language	10 (1988) 241	Machining cell	10 (1988) 61
		Manned bulldozer robot	10 (1988) 195
Capacitance	10 (1988) 147	Materials management	10 (1988) 221
Chamfers	10 (1988) 47	Mathematical modeling	10 (1988) 21, 163
CIM architectures	10 (1988) 1	Mating parts	10 (1988) 47
Complexity	10 (1988) 95	Mechanism	10 (1988) 261
Computer	10 (1988) 261	Microcomputer control	10 (1988) 123
Computer aided geometric design	10 (1988) 267	Microprocessor	10 (1988) 147
Computer control	10 (1988) 231	Modeling	10 (1988) 183, 231
Computer control system	10 (1988) 11	Monitoring and diagnosis	10 (1988) 61
Computer networks	10 (1988) 69	Motion	10 (1988) 261
Construction industry	10 (1988) 195	Multi-purpose mobile constructor robot	10 (1988) 195
Control	10 (1988) 123, 183		
Control systems	10 (1988) 163	Networking	10 (1988) 195
Controller	10 (1988) 35		()
		Observable behavior	10 (1988) 95
Decision making	10 (1988) 163	Operations optimization	10 (1988) 221
Demands of monitoring	10 (1988) 61	Operator leading system	10 (1988) 61
Density function	10 (1988) 175	Optimal control	10 (1988) 231
Digital industrial processes	10 (1988) 241	Optimization	10 (1988) 11
Discrete event simulation	10 (1988) 183	Organization of production	10 (1988) 21
Dissipation factor	10 (1988) 147	Organized problems	10 (1988) 247
Distillation column	10 (1988) 231	Organizing problems	10 (1988) 21
Distributed control system	10 (1988) 1	organization problems	10 (1700) 21
Distribution function	10 (1988) 175	Parcel sorting systems	10 (1988) 137
		Part positioning errors	10 (1988) 47
Energy saving	10 (1988) 11	Parts dimensional tolerance	10 (1988) 47
Error detection	10 (1988) 175	Pattern nesting	10 (1988) 221
Expert systems	10 (1988) 247	Personal computers	10 (1988) 241
External computer application	10 (1988) 61	Petri nets	10 (1988) 163
		Petri-Net modeling	10 (1988) 61
Flexible manufacturing	10 (1988) 61	Plastic injection moulding machine	10 (1988) 123
Flexible Manufacturing System	10 (1988) 1, 163	Positioning design factor	10 (1988) 47
Formal specification	10 (1988) 95	Postal centres	10 (1988) 137
Furniture industry	10 (1988) 221	Problem-oriented languages	10 (1988) 21, 247
Fuzzy logic	10 (1988) 35	Process interaction approach	10 (1988) 183
and toget	(,	Process planning	10 (1988) 221
Gantry robot	10 (1988) 195	Process simulation	10 (1988) 241
Geometric modeling	10 (1988) 267	Production processes	10 (1988) 163
Geometric modeling	10 (1700) 207	Production processes Production rules	
Heuristic search	10 (1988) 11		10 (1988) 11
Treatistic scarcii	10 (1700) 11	Programmable controllers	10 (1988) 241
Industrial systems	10 (1988) 183	Proportional hydraulics	10 (1988) 123
Information extraction	10 (1988) 61	Ovelity contact	10 (1000) 176
Information-decisive systems	10 (1988) 21	Quality control	10 (1988) 175
Insulation resistance	10 (1988) 21		10 (1000)
	10 (1700) 147	Reference model	10 (1988) 95
		Reheating furnace	10 (1988) 11
		Robot Control	10 (1988) 35
North-Holland		Robot repeatability	10 (1988) 47
Computers in Industry 10 (1988) 283-2	30.4	Robotics	10 (1988) 113, 195

## Subject Index

Safety	10 (1988) 195	System integration	10 (1988) 1
Scheduling	10 (1988) 21, 247	Systems development	10 (1988) 183
Simulation	10 (1988) 11, 47, 137, 163, 231	Systems specification	10 (1988) 183
Sorting	10 (1988) 147	•	
Specification parameters	10 (1988) 195	Testing hypotheses	10 (1988) 175
State space model	10 (1988) 11	Theory of organization	10 (1988) 21
Statistics	10 (1988) 175	Top-down design	10 (1988) 95
Super computers	10 (1988) 195	Trajectory planning	10 (1988) 113
Support algorithm	10 (1988) 163	Transportation	10 (1988) 137
Surfaces	10 (1988) 267	Trouble shooting	10 (1988) 61
System design	10 (1988) 137		, , , , , , , , , , , , , , , , , , , ,

## Author Index to Volume 10

Akyurt, M., see Mannaa, A.	10 (1988)	261
Bakker, H., DFMS: A New Control Structure for FMS	10 (1988)	1
Biemans, F.P. and Vissers, C.A., Computational Tasks in Robotics and Factory Automa-		
tion	10 (1988)	95
Čapkovič, F., A Decision Support Algorithm for Flexible Manufacturing Systems Control	10 (1988)	163
Čerič, V., see Vrgoč, M.	10 (1988)	137
Changbin, Y., Xuemei, Z. and Jicheng, W., An Optimizing Software and Its Application		
to Ethanal Column Control	10 (1988)	
Constantinescu, C., Simulate a Digital Industrial Process	10 (1988)	241
Dehlawi, F., see Mannaa, A.	10 (1988)	261
Dmitrov, D. and Todorov, N., Software Development Approach in FMS	10 (1988)	169
ElMaraghy, H.A., ElMaraghy, W.H. and Knoll, L., Design Specification of Parts Dimen-		
sional Tolerance for Robotic Assembly	10 (1988)	47
ElMaraghy, W.H., see ElMaraghy, H.A.	10 (1988)	47
Fung, H.K., see Leung, T.P.	10 (1988)	123
Gill, K.F., see Wakileh, B.A.M.	10 (1988)	35
Hagen, H., Generalized Coons' Patches	10 (1988)	267
Jicheng, W., see Changbin, Y.	10 (1988)	231
Knoll, L., see ElMaraghy, H.A.	10 (1988)	47
Krishnamoorthy, R., Mathialagen, A. and Vidya, D., µ-Processor Based Capacitor		
Testing and Sorting	10 (1988)	147
Kurzydłowska, A. and Piasecki, S., Formalization and Computer Representation of		
Organizing Problems for Purposes of Computer-Aided Problem Resolution	10 (1988)	21
Kurzydłowska, A. and Piasecki, S., A Semantic Analysis of ORGPLAN	10 (1988)	247
Leung, T.P., Fung, H.K. and McCall, C., The Application of a Microcomputer to the		
Control of an Injection Moulding Machine	10 (1988)	123
Liermann, G., see Wiele, H.		61
Long, S.L., see Nee, A.Y.C.	10 (1988)	221
Lu, Yz., see Yang, Yy.	10 (1988)	11
Mannaa, A., Dehlawi, F. and Akyurt, M., Kinematic Analysis via Virtual Links	10 (1988)	261
Masnikosa, V.P., Problems with a Node of Computer Networks	10 (1988)	69

Mathialagan, A., see Krishnamoorthy, R.	10 (1988) 147
McCall, C., see Leung, T.P.	10 (1988) 123
Muspratt, M.A., Hi-Tech for Construction Projects	10 (1988) 195
Nechval, N.A., A General Method for Constructing Automated Procedures for Testing	
Quickest Detection of a Change in Quality Control	10 (1988) 177
Nee, A.Y.C. and Long, S.L., Microcomputer-aided Material Management in a Furniture	
Factory	10 (1988) 221
Overwater, R. and Vegter, K.J., An Alternative Approach to the Development of	
Industrial Systems	10 (1988) 183
Piasecki, S., see Kurzydłowska, A.	10 (1988) 21
Piasecki, S., see Kurzydłowska, A.	10 (1988) 247
Thisteri, S., See Tearzy die word, T.	10 (1700) 217
Raschke, H., see Wiele, H.	10 (1988) 61
Todorov, N., see Dmitrov, D.	10 (1988) 169
Vegter, K.J., see Overwater, R.	10 (1988) 183
Vidya, D., see Krishnamoorthy, R.	10 (1988) 147
Vissers, C.A., see Biemans, F.P.	10 (1988) 95
Vrgoč, M. and Čerič, V., Investigation and Design of Parcel Sorting Systems in Postal	
Centres by Simulation	10 (1988) 137
Wakileh, B.A.M., and Gill, K.F., Use of Fuzzy Logic in Robots	10 (1988) 35
Wang, K., B-Splines Joint Trajectory Planning	10 (1988) 113
Wiele, H., Liermann, G. and Raschke, H., Monitoring, Diagnosis and Operator Leading	10 (1700) 113
Systems for Flexible Automated Manufacturing	10 (1988) 61
Xuemei, Z., see Changbin, Y.	10 (1988) 231
Ademei, 2., see Changon, 1.	10 (1900) 231
Yang, Yy. and Lu, Yz., Dynamic Model Based Optimization Control for Reheating	
Furnaces	10 (1988) 11

